

Remarks

Claims 1-45, 47, and 49 have been canceled. The cancellation of these claims is not made in response to a rejection and made without prejudice to their prosecution in a continuing application. Some of the claims have been amended. These amendments are not made in response to any rejections and are made without prejudice to the prosecution to the original, un-amended claims in a continuing application.

The term “optical cement” has been added to claim 46. Support for the amendment can be found in, *inter alia*, original claim 4. Claim 46 has also been amended to recite that the master grating comprises features having a depth and a period. Support for this amendment can be found in the specification at, *inter alia*, page 41, line 22 through page 42, line 2 and original claim 1. Claim 46 has also been amended to recite that the method comprises depositing a coating onto the hardened liquid, a coating having a higher refractive index than the hardened liquid to form an optical grating. Support for the amendment can be found at, *inter alia*, original claim number 47. The term “master structure” was amended to “master grating structure” for clarity. This is not a narrowing amendment.

Claim 51 has been amended to add the term “liquid”. Claim 51 has also been amended to remove the following language: “the cured optical cement thus forming an optical grating that replicates the features of the master grating structure, the optical grating defining features having a depth and a period”. The term “optical grating” has been amended to recite “cured optical cement”. These amendment have been made for clarity and are not narrowing amendments.

New claim 52 finds support in, *inter alia*, original claim 2. New claim 53 finds support in, *inter alia*, original claim 11. New claim 54 finds support in, *inter alia*, original claim 12. New claim 55 finds support in, *inter alia*, original claim 15. New claim 56 finds support in, *inter alia*, original claim 16. New claim 57 finds support in, *inter alia*, original claim 17. New claim 58 finds support in, *inter alia*, original claim 22. New claim 59 finds support in, *inter alia*, original claim 21. New claim 60 finds support in, *inter alia*, original claim 29. New claim 61 finds support in, *inter alia*, original claim 31. New claim 62 finds support in, *inter alia*, original claim 3. New claim 63 finds support in, *inter alia*, original claim 7.

No new matter has been added by these amendments and applicants respectfully request their entry. These amendments are made solely in order to secure a speedy allowance of the claims. The Examiner is invited to call the undersigned to discuss any questions or concerns regarding this application.

Respectfully submitted,

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By:


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